

STAFF PROFILE



1) Name: DR.S.PERUMAL

2) Designation: Associate professor

3) Department: Chemistry

4) Qualifications:

Academic: M.Sc; M.Phil; PhD.

Additional: ---

5) Experience (in years): Teaching: 21

Research: 15

6) Area of Specialization: Physical chemistry, Corrosion

7) Contact: E-mail: sp.perumal79@gmail.com Mobile Number:9486485802

8) Grants Received (Conference/Workshop/Seminar/any other):

Event Title	Agency	Fund Received	Date
----	----	----	-----

9) Project Completed:

Project Title	Agency	Fund Received	Duration
----	-----	-----	----

10) Project ongoing :

Project Title	Agency	Fund Received	Duration
-----	-----	----	---

11) Research Guidance:

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	----	---
M. Phil.	---	---

12) Research Publications:

	International	National
Total Number of Publications	11	-----

List of International Publications:

1. **S.Perumal**, S.Muthumanickam, A.Elangovan, R.Karthik, R. Sayeekannan and K.K.Mothilal, Adsorption behavior of leaves extract of *Bauhinia tomentosa* on mild

steel in 1N H₂SO₄ Medium, Roots *International Journal of Multidisciplinary Researches* **1** (2015) 99.

2. P. R. Sivakumar, M. Karuppusamy, S. Perumal, A. Elangovan, A. P. Srikanth, Corrosion Inhibitive Effects of *Madhuca Longifolia* (ML) on Mild Steel In 1N HCl Solution, *J. Environ. Nanotechnol*, **4** (2015) 31.
3. S.Perumal, S.Muthumanickam, A.Elangovan, R.Karthik, R. Sayeekannan and K.K.Mothilal, *Bauhinia tomentosa* leaves extract as green corrosion inhibitor for mild steel in 1N HCl Medium, *International Journal of Bio Tribo Corrosions*, **3** (2017) 13.
4. S.Perumal, S.Muthumanickam, A.Elangovan, R.Karthik, R.Sayeekannan and K.K.Mothilal, Green loom to corrosion inhibition of mild steel in acid media by the extract of *Leucasaspera* leaves, *European Journal of Biomedical and pharmaceutical sciences*, **4** (2017) 795.
5. S.Perumal, S.Muthumanickam, A. Elangovan, N.Muniyappan, R.Sayeekannan and K.K.Mothilal, Inhibitive effect of *Bauhinia tomentosa* leaf extract on acid corrosion of mild steel, *International Journal of ChemTech Research*, **10** (2017) 203.
6. S.Perumal, S.Muthumanickam, A.Elangovan, N.Muniyappan, R.Sayeekannan and K.K.Mothilal, Comparative study of green corrosion inhibition effect on mild steel indifferent acid medium by *Laburnum waterier vossii* leaves extract, *Asian Journal of Research in chemistry*, **2** (2018) 253.
7. S. Perumal, R. Sayee kannan, S. Muthumanickam, A. Elangovan, N. Muniyappan, K. K. Mothilal, Inhibition of mild steel corrosion in 1N HCl and 1N H₂SO₄ by leaves extract of *gossypium herbaceum*, *Journal of advanced scientific research*, **13**, (2022) 234.
8. S. Perumal, S. Muthumanickam, A. Elangovan, N. Muniyappan, R. Sayee kannan, K.K.Mothilal, Adsorption and corrosion inhibiting behavior of *Black vitex nigundo* leaf extract on mild steel corrosion on 1N HCl and 1N H₂SO₄ Letters in Applied Nano Bio Science, **12**, 2022

9. **S. Perumal** and N. Muniyappan, Pharmacological studies of synthesized Silver nanoparticles and their using Abutilon Indicum flowers extract, Journal of Pharmacy and Pharmacology. (2022) – **Under review**
10. P.Mohandass, **S.Perumal**, S.T.T.Dhanasekaran, P.Padmavathi, K.K.Mothilal, Spectroscopic investigations, computational studies and molecular properties of naphthalene derivatives. Shanalax, International Journal of Arts, Science and Humanities. (2022) - **Under review**
11. **S.Perumal**, N. Muniyappan, Chemical composition of the essential oil and the solvent extracts of *Curcuma pseudomontana* rhizomes and *in vitro* evaluation of their antioxidant and anti-inflammatory activities. International Journal of Arts, Science and Humanities. (2022)- **Under review**

List of National Publications: -----

13) Chapters in Books: -----

14) Other Publications (Proceedings): ---

15) Books Published: ---

16) Presentation in Seminar / Conference:

International: 13

National: 8

1. 17) Participation in Conference: **S.Perumal**, S. Muthumanickam, A.Elangovan, N. Muniyappan, R. Sayeekannan and K.K. Mothilal, *Bauhinia tomentosa* leaves extract as green corrosion inhibitor for mild steel in 1N HCl and 1N H₂SO₄, *International Conference on modern trends in chemistry organized by the PG and Research Department of Chemistry, Vivekananda College, Madurai on 23rd February 2018.*

2. **S. Perumal**, S. Muthumanickam, A .Elangovan, N. Muniyappan, R. Sayeekannan and K.K.Mothilal, Green loom to corrosion inhibition of mild steel in acid media by the extract of *Leucasaspera* leaves, *International Conference on Recent Developments in Arts, Science, Agriculture and Environment organized by the Unit of Rural Biotechnology, Saraswathi Narayanan College, Madurai, at Kuala Lumpur, Malaysia from 5th to 8th May 2017.*
3. **S. Perumal**, S.Muthumanickam, A.Elangovan,N.Muniyappan, R.Sayeekannan and K.K.Mothilal, Corrosion inhibitory action of *Laburnum waterier vossii* leaves extract on the corrosion of mild steel in 1N HCl and 1N H₂SO₄ media,*International Conference on Recent Developments in Arts, Science, Agriculture and Environment organized by the Unit of Rural Biotechnology, Saraswathi Narayanan College, Madurai, at Kuala Lumpur, Malaysia from 5th to 8th May 2017.*
4. **S.Perumal**, S.Muthumanickam, A.Elangovan,N.Muniyappan, R.Sayeekannan and K.K.Mothilal, Inhibition of mild steel corrosion in 1N HCl and 1N H₂SO₄ by leaves extract of *Gossypiumherbaceum*, *DST-SERB Sponsored International Conference on Functional Materials at PG and Research Department of Chemistry, Thiagarajar College, Madurai on 7th and 8th September 2017.*
5. **S.Perumal**, S.Muthumanickam,A.Elangovan,N.Muniyappan, R.Sayeekannan and K.K.Mothilal, *Leucasaspera* leaf extract as green corrosion inhibitor of mild steel in 1N H₂SO₄, *ICMR,DBT and INSA Sponsored International Conference on Cancer biology: Drug discovery and novel Department of Zoology and Chemistry, SBK College, Aruppukottai on 29th and 30th September 2016.*
6. **S. Perumal**, S.Muthumanickam,A.Elangovan,N.Muniyappan, R.Sayeekannan and K.K.Mothilal, *Gossypiumherbaceum* leaves extract as an green corrosion inhibitor for mild steel in 1N HCl and 1N H₂SO₄ media,*International Conference on Recent Developments in Arts, Science, Environmental studies, and sustainability organized by*

the Unit of Rural Biotechnology, Saraswathi Narayanan College, Madurai, at Kuala Lumpur, Malaysia from 4th to 6th May 2018.

7. **S. Perumal**, S.Muthumanickam,A.Elangovan,N.Muniyappan, R.Sayeekannan and K.K.Mothilal, Adsorption and corrosion inhibiting behavior of Black vitexnigundo leaf extract on mild steel corrosion on 1N HCl and 1N H₂SO₄ ,*ThirdInternational Conference on Recent Developments in Science, technology ,education and environmental studies, organized by the Unit of Rural Biotechnology, Saraswathi Narayanan College, Madurai, at Kuala Lumpur, Malaysia from 29th to 30th April 2019.*
8. **S. Perumal**, N.Muniyappan, Pharmacological studies of synthesizedsilver nanoparticles and their using *abutilon indicium* flowers extract, ,*ThirdInternational Conference on Recent Developments in Science, technology ,education and environmental studies, organized by the Unit of Rural Biotechnology, Saraswathi Narayanan College, Madurai, at Kuala Lumpur, Malaysia from 29th to 30th April 2019.*
9. N. Muniyappan, Kalikumar and **S. Perumal**, One-pot synthesis and characterization of silver nanoparticles by using *Leucasaspera* flower and their its biological activities , *International Conference on Nanomedicine, organized by the Madurai kamaraj university, Madurai on 25th to 26th February 2019.*
10. R.K.Sathish, N.Muniyappan,**S .Perumal** and M. Kalikumar, Microwave synthesis, characterization and Pharmacological studies of silver nanoparticles by using *Sargassumsili quastrumalgae*, *International Conference on Nanomedicine, organized by the Madurai, Kamaraj university, Madurai on 25th to 26th February 2019.*
11. **S.Perumal**, S.Muthumanickam,A.Elangovan, N.Muniyappan, R.Sayeekannan and K.K.Mothilal, Inhibitory action of leaves extract of *Gossypium herbaceum* on mild steel corrosion in 1N HCl and 1N H₂SO₄, *UGC sponsored Inter National Seminar on Emerging trends in chemistry and Energy science at Department of Chemistry, SaraswathiNarayanan college, Madurai on 7th February 2020.*

- 12. S. Perumal**, P.Abinash and N.Muniyappa, Biogenic synthesis of silver nanoparticles using solanum trilobatum flower extract and their pharmacological activity, *UGC sponsored Inter National Seminar on Emerging trends in chemistry and Energy science at Department of Chemistry, SaraswathiNarayanan college, Madurai on 7th February 2020.*
- 13. S. Perumal**, and N.Muniyappa, Evaluation of drinking water quality index (DWQI) and its seasonal variations,DST-FIST *sponsored Inter National conference on Expanding Frontiers in Chemistry held on 15 &16 February 2023 at Department of Chemistry, Arul Anandar College, Krumathur.*
- 14. S. Perumal** has participated in A one day international seminar on Recent Trends In Frontier Areas of Materials and Macromolecules organized by the Department of chemistry,Sourashtra college,Madurai on 24th March 2023
- 15. S. Perumal** has participated in the international seminar on Recent Trends in chemistry and Materials -2023 organized by the Alumni and Department of chemistry,Arumugam pillai seethai Ammal college,Tiruppattur held on 14.07.202.

18) Participation in Seminar:

- 1. S. Perumal**, S.Muthumanickam,A.Elangovan, N.Muniyappan, R.Sayeeekannan and K.K.Mothilal, Eco-friendly corrosion inhibition from *Bauhinia tomentosa* extract formild steel in 1N HCl, *UGC sponsored National Seminar on modern trends in chemistry at Department of Chemistry, Vivekananda College, Madurai on 30th and 31st January 2015.*
- 2. S. Perumal**, S. Muthumanickam, A. Elangovan, R. Karthick, R. Sayeeekannan and K.K.Mothilal, Corrosion inhibition of mild steel in 1N HCl by a thiophene derivative,*UGC sponsored National conference on Recent Developments in chemistry*

at Department of Chemistry, **SBK College, Aruppukottai on 13^{en} and 14^{en} February 2015.**

3. **S. Perumal**, S.Muthumanickam,A.Elangovan, R.Karthick, R.Sayeeekannan and K.K. Mothilal, Inhibition of mild steel corrosion in 1N HCl by leaves extract of Gossypium plant, *Golden Jubilee National Seminar on Discources on past,present and future scenario on medicinal plant conservation in india at Department of Botany, Saraswathi Narayanan College, Madurai on 06th and 07th March 2015.*
4. **S. Perumal**, S.Muthumanickam, A.Elangovan, N.Muniyappan, R.Sayeeekannan and K.K.Mothilal,Corrosion inhibition effect of *Lubrunum Watererivossii* leaf extract for mild steel in HCl and 1N H₂SO₄Medium,*UGC sponsored National seminar on Recent Advances in Chemical Research at Department of Chemistry, VHNSN College, Virudhunagar on 24th and 25thJanuary 2017.*
5. **S.Perumal**, S.Muthumanickam, A.Elangovan, R.Karthik, R. Sayeeekannan and K.K.Mothilal,Adsorption behavior of leaves extract of*Bauhinia tomentosa*on mild steelin 1N H₂SO₄ Medium,*UGC sponsored National conference on Frontier areas in chemistry at Thiagarajarcollege.Madurai on 26th and 27th February 2015.*
6. **S.Perumal**, N.Muniyappan, Green synthesis and characterization of silver nanoparticles and their Pharmacological studies using *Acalyphapaniculata*Leaf, UGC Autonomy Grant Sponsored National*Conference on Recent trends in Solarenergy and Nanoscience, organized by the G.T.N. College, Dindigul on8th March 2019.*
7. N.Muniyappan, R.K.Sathish**S. Perumal** and M. Kalikumar, Synthesis, characterization of silver nanoparticles by using *Aegle marmalos*leaves and its biologicalactivities,UGC Autonomy Grant Sponsored National*Conference on Recent trends in Solar energy and Nanoscience, organized by the G.T.N. College, Dindigul on8th March 2019.*
8. M. Kalikumar, N.Muniyappan, **S.Perumal** and R.K. Sathish, Biogenic synthesis and In vitro evaluation of biological activities of silver nanoparticles synthesized using *Elugenia Jambolana*, UGC Autonomy Grant Sponsored National *Conference on Recent trends in Solar energy and Nanoscience, organized by the G.T.N. College, Dindigul on8th March 2019.*

20) Participation in Orientation Programme/ Induction Programme/ Short term Courses: 4

21) Participation in Faculty Development Programme: 2 years (PhD Programme)

22) Conference/ Seminar/ Workshop Organized: ----

23) Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop:---

24) Other Co-curricular / Administrative Responsibilities: RRC Coordinator, Dean for student's welfare, Members for question setting, Paper valuation, Practical examiner and question paper scrutiny in various college and University. Acting as a deputy controller of examination

25) Member in Board of Studies: 1

26) Editorial/ Review Board Member: -----

27) Membership in Professional Bodies: ----

28) Awards received: ----

29) Consultancy: ----

30) Patents: ---

31) Any other information: -----

* Note : Please provide the total Numbers and details for each metrics

